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09/871,123

CG 118

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August 30, 2005

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Certificate of Correction Branch
Commissioner for Patents
U.S. PATENT & TRADEMARK OFFICE
P.O. Box 1450
Alexandria, VA 22313-1450

Certificate
SEP 08 2005
of Correction

Re: **U.S. PATENT NO. 6,925,042**
CERTIFICATE OF CORRECTION
Our Ref. No.: 051270-0277003

Dear Sir:

Please process the enclosed Certificate of Correction for the above-referenced patent. The face of the patent indicates that the filing date for priority application Japan 2000-162895 is May 31, 2001. However, the actual filing date was May 31, 2000.

A copy of priority document Japan 2000-162895 and the Declaration as filed with the application are enclosed. A redlined copy of the Patent '042 is also enclosed for your reference.

The Commissioner is hereby authorized to charge the fee for the Certificate of Correction in the amount of \$100.00 under fee code 1811. The Commissioner is further authorized to charge any deficiency in payment or credit any overpayment to our Deposit Account No. 16-1805. A copy of this letter is enclosed.

If you have any questions, please do not hesitate to call the undersigned at 213-488-7584. Thank you.

Respectfully submitted,

PILLSBURY WINTHROP SHAW PITTMAN LLP

Roger R. Wise
Registration No. 31,204

09/06/2005 MAHME1 00000018 161805 6925042

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SEP - 8 2005

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO : 6,925,042

DATED : August 2, 2005

INVENTOR(S) : YUKIHISA NAKAJO

It is certified that error appears in the above-identified patent and that said Letters Patent
is hereby corrected as shown below:

On title page, item 30 Foreign Application Priority Data
replace "May 31, 2001"
with --May 31, 2000--.

MAILING ADDRESS OF SENDER:

PILLSBURY WINTHROP SHAW PITTMAN LLP
725 South Figueroa Street Suite 2800,
Los Angeles, CA 90017-5406

PATENT NO. 6,925,042

No. of additional copies

 1

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

SEP - 8 2005



US006925042B2

(12) **United States Patent**
Nakajo

(10) **Patent No.:** **US 6,925,042 B2**
 (45) **Date of Patent:** **Aug. 2, 2005**

(54) **OPTICAL RECORDING METHOD
 PERFORMING POWER CONTROL WITH
 VARIABLE LINEAR VELOCITY**

(75) Inventor: **Yukihisa Nakajo**, Hamamatsu (JP)

(73) Assignee: **Yamaha Corporation**, Hamamatsu (JP)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 695 days.

(21) Appl. No.: **09/871,123**

(22) Filed: **May 31, 2001**

(65) **Prior Publication Data**

US 2002/0181365 A1 Dec. 5, 2002

(30) **Foreign Application Priority Data**

May 31, 2001 (JP) 2000-162895

(51) Int. Cl.⁷ **G11B 7/00**

(52) U.S. Cl. **369/47.53; 369/47.1; 369/53.1; 369/59.1**

(58) Field of Search 369/47.1, 47.11, 369/47.15, 47.28, 47.5, 47.51, 47.52, 47.53, 47.55, 53.1, 53.11, 53.41, 59.1, 59.11, 59.12, 59.21, 59.25, 116

(56) **References Cited**

U.S. PATENT DOCUMENTS

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* cited by examiner

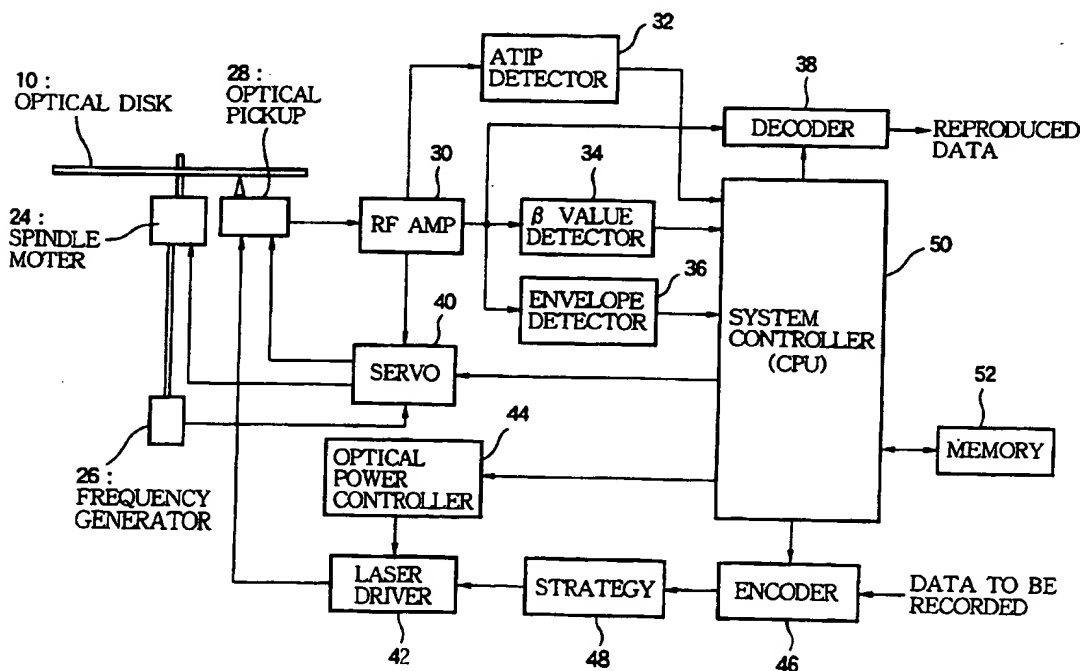
Primary Examiner—Muhammad Edun

(74) *Attorney, Agent, or Firm*—Pillsbury Winthrop Shaw Pittman LLP

(57) **ABSTRACT**

An optical disk recording method performs recording of data at a variable linear velocity multiplication factor in accordance with a radial position of an irradiation optical beam on an optical disk. The method is carried out by the steps of performing an actual recording with a variable writing power $y=ax+b$ of the irradiation optical beam in accordance with a linear velocity multiplication factor x where the constant a is determined to a fixed value according to a type of the optical disk, performing a test recording before starting the actual recording such that the test recording is carried out with a test linear velocity multiplication factor to obtain an appropriate writing power of the irradiation optical beam, and setting the constant b by solving the function $y=ax+b$ with using the results of the test recording, whereby the actual recording can be performed with an appropriate writing power y calculated based on the function $y=ax+b$ having the set constants a and b .

67 Claims, 19 Drawing Sheets



SEP - 8 2005



PATENT

Docket No.

027 7003

DECLARATION FOR UTILITY PATENT APPLICATION

AS A BELOW-NAMED INVENTOR, I HEREBY DECLARE THAT:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor, if only one name is listed below, or a joint inventor if plural inventors are named below, of the subject matter which is claimed and for which a patent is sought on the invention entitled: OPTICAL RECORDING METHOD PERFORMING POWER CONTROL WITH VARIABLE LINEAR VELOCITY

the specification of which is attached hereto unless the following box is checked:

☐ was filed on _____ as United States Application Serial No. _____ or PCT International Application No. _____ and was amended on _____ (if applicable).

I HEREBY STATE THAT I HAVE REVIEWED AND UNDERSTAND THE CONTENTS OF THE ABOVE-IDENTIFIED SPECIFICATION, INCLUDING THE CLAIMS, AS AMENDED BY ANY AMENDMENT REFERRED TO ABOVE.

I acknowledge the duty to disclose information which is material to the patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

Application No.	Country	Date of Filing (day/month/year)	Priority claimed ?
2000-162895	Japan	31/5/2000	Yes

I hereby claim benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Application Serial No.	Filing Date

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

Application Serial No.	Filing Date	Status
		<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input type="checkbox"/> Abandoned

I hereby appoint the following attorneys and agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

2001, May 17 *Yukihisa Nakajo*

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	Citizenship:	Japan
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of
Inventor(s): Yukihiisa NAKAJO

Appln. No.: _____ | NOT ASSIGNED

Group Art Unit: NOT ASSIGNED

Filed: May 31, 2001

Examiner: NOT ASSIGNED

Title: OPTICAL RECORDING METHOD PERFORMING
POWER CONTROL WITH VARIABLE LINEAR VELOCITY

Atty. Dkt. P 027 7003 | H7520US

M#

Client Ref

Date: May 31, 2001

**SUBMISSION OF PRIORITY
DOCUMENT IN ACCORDANCE
WITH THE REQUIREMENTS OF RULE 55**

Hon. Asst Commissioner of Patents
Washington, D.C. 20231

Sir:

Please accept the enclosed certified copy(ies) of the respective foreign application(s) listed below for which benefit under 35 U.S.C. 119/365 has been previously claimed in the subject application and if not is hereby claimed.

<u>Application No.</u>	<u>Country of Origin</u>	<u>Filed</u>
2000-162895	JAPAN	2000 May 31, 2001

Respectfully submitted,

Pillsbury Winthrop LLP
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日本国特許庁
JAPAN PATENT OFFICE

別紙添付の書類に記載されている事項は下記の出願書類に記載されている事項と同一であることを証明する。

This is to certify that the annexed is a true copy of the following application as filed with this Office

出願年月日
Date of Application:

2000年 5月31日

出願番号
Application Number:

特願2000-162895

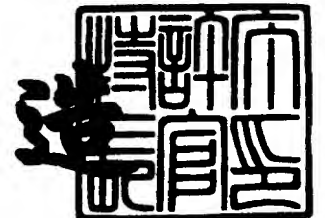
出願人
Applicant(s):

ヤマハ株式会社

2001年 5月11日

特許庁長官
Commissioner,
Japan Patent Office

及川耕造



SPP - 8 2005

出証番号 出証特2001-3038140